AMENDMENT IN THE CLAIMS

Please amend claims 1, 21, 35, 38 and 41 to read as follows:

1. 1.(Currently Amended) A closed injection moulded closure, comprising:

2. a first closure part;

3. a second closure part; and

4. two connecting elements connected to the first closure part and the second closure part by

5. two pairs of hinge connections, each said pair of hinge connections having a first hinge connection

6. and a second hinge connection, each said first hinge connection connecting upper sides of said

7. connecting elements to said first closure part, each said second hinge connection connecting bottom

8. sides of said connecting elements to said second closure part, each said hinge connections making

9. a first angle (ϕ) with one another [[,]] and defining a plane, the planes defined by said two pairs of

10. hinge connections making a second angle (ω) with one another, wherein, in a closed position of the

11. closure, each said plane is the planes are inclined relative to a central closure axis, and the two

12. connecting elements and the two pairs of hinge connections are accessible in the mould from the

13. inside of the closure and from the outside of the closure and can be removed from the mould;

14. said closed injection moulded closure being free from a main hinge connection between said

15. first closure part and said second closure part.

1. 2.(Previously Presented)   The closed injection moulded closure according to claim 1,

2. further comprised of the first and the second closure parts, in the closed position of the closure,

3   functionally separated from one another by at least one gap.

1   3. (Previously Presented)   The closed injection moulded closure according to claim 1,

2   further comprised of the first and the second closure parts, in the closed position of the closure,

3   connected by at least one coupling element which is destroyed or removed when the closure is

4   opened for the first time.

1   4.(Previously Presented)   The closed injection moulded closure according to claim 3,

2   wherein said coupling element is a web or a tear-off lip.

    5. (Cancelled)

1   6. (Previously Presented)   The closed injection moulded closure according to claim 1,

2   further comprised of the connecting elements in an opened position having no geometric

3   deformations relative to an injection moulded state.

1   7.(Previously Presented)   The closed injection moulded closure according to claim 1,

2   wherein an opening angle (α) between the first closure part and the second closure part in an open

3   position of the closure is 150° to 180°.

1   8.(Previously Presented)   The closed injection moulded closure according to claim 1,

2   wherein the relationship among an opening angle (α) between the first closure part and the second

3   closure part in an open position of the closure, the first angle (ω) and the second angle (φ) is given

4   by the following formula:

5
$$\phi = 2 \cdot \arctan\left[\frac{\sin(\alpha/2)}{1 - \cos(\alpha/2)} \cdot \sin(\omega/2)\right].$$

1   9. (Previously Presented) The closed injection moulded closure according to claim 1, further

2   comprised of the connecting elements being integrated into outer contours of the first and the second

3   closure parts.

1   10. (Previously Presented) The closed injection moulded closure according to claim 1,

2   wherein the first closure part is adjacent to the second closure part and the first and the second

3   closure parts are actively connected to a container, at least one closure part being detachably and

4   actively connected to the container.

1   11.(Previously Presented) The closed injection moulded closure according to claim 1, each

2   of said connecting elements having a shorter edge and a longer edge, said shorter edge being closer

3   to an apex of said first angle (φ) than said longer edge and being pressure-resistant, said longer edge

4   lengthening elastically and reversibly under a tensile stress.

1   12.(Previously Presented) The closed injection moulded closure according to claim 11,

2   further comprised of said longer edge being of a three-dimensional curvature.

1   13. (Previously Presented) The closed injection moulded closure according to claim 1, further

2   comprised of said two pairs of hinge connections being film hinge connections.

1   14. (Previously Presented) The closed injection moulded closure according to claim 1, further

2   comprised of said first closure part having at least two stable positions including at least one open

3   position and the closed position.

1   15. (Previously Presented) The closed injection moulded closure according to claim 1,

2   wherein said first closure part has an open position, the closed position and at least one intermediate

3   open position

1   16. (Previously Presented) The closed injection moulded closure according to claim 3, further

2   comprised of said coupling element having a predetermined breaking point.

1   17.(Previously Presented) The closed injection moulded closure according to claim 1, said

2   two connecting elements connected to each other by means of a film hinge connection.

1   18. (Previously Presented) The closed injection moulded closure according to claim 1, further

2   comprised of said first closure part having a tubular element on an inner side of said first closure

3   part, said tubular element corresponding to an opening of the container, said tubular element sealing

4   the opening of the container, said tubular element having an edge thickened by a bead.

1   19. (Previously Presented) The closed injection moulded closure according to claim 1, further

2   comprising means for partially stiffening the first and the second closure parts.

1   20. (Previously Presented) The closed injection moulded closure according to claim 1, further

2   comprised of said first closure part having a catch for preventing unintentional opening of the

3   closure.

1   21. (Currently Amended) A closure for a container, comprising:

2   a first closure part;

3   a second closure part to be placed on the container, said first closure part opening and closing

4   the ~~contained~~ container by moving relative to said second closure part;

5   at least two connecting elements connecting said first closure part and said second closure

6   part, each said connecting element having a first side separated from a second side, by an

7   intermediate third side spaced-apart from an intermediate fourth side, said fourth side being longer

8   than said third side; and

9   two pairs of hinge connections, each said pair of hinge connections comprising a first hinge

10   connection and a second hinge connection, said first side of each said connecting element connected

11   to said first closure part via said first hinge connection, said second side of each said connecting

12   element connected to said second closure part via said second hinge connection, wherein in a closed

13 position of the closure each said first hinge connection is closer to an axis of closure than are said

14 second hinge connection, with said first closure part assuming at least two stable positions and

15 <u>assuming</u> unstable positions between said at least two stable positions and with the two connecting

16 elements and the two pairs of hinge connections being accessible in a mould from the inside of the

17 closure and from the outside of the closure and being <u>removable</u> from the mould;

18 said closure being free from a main hinge connection between said first closure part and said

19 second closure part.

1 22. (Previously Presented) The closure of claim 21, comprised of said two connecting

2 elements and the two pairs of hinge connections being accessible in the mould from the inside of the

3 closure and from the outside of the closure.

1 23. (Previously Presented) The closure of claim 21, wherein said third sides of said

2 connecting elements are pressure-resistant.

1 24. (Previously Presented) The closure of claim 21, wherein, in a closed position of the

2 closure, each said connecting element has a curved outer contour.

1 25. (Previously Presented) The closure of claim 21, wherein said at least two connecting

2 elements are integrated into an outer contour of the closure.

1   26. (Previously Presented) The closure of claim 21, wherein, in a closed position of the

2   closure, said two connecting elements and said two pairs of hinge connections are in approximately

3   stress-free states.

1   27. (Previously Presented) The closure of claim 21, wherein torsional rigidities of said third

2   sides are higher than torsional rigidities of said fourth sides.

1   28. (Previously Presented) The closure of claim 21, comprising a coupling element coupling

2   the first closure part and the second closure part, said coupling element being destroyed when the

3   first closure part is separated from said second closure part for the first time.

1   29.(Previously Presented) The closure of claim 21, comprising an auxiliary connection

2   between said two connecting elements.

1   30. (Previously Presented) The closure of claim 21, wherein said second closure part has a

2   tubular element on an inner side of said second closure part, said tubular element has an edge

3   thickened by a bead, and said tubular element has a shape corresponding to an opening of the

4   container to act as a seal when in a closed position.

5   31. (Previously Presented) The closure of claim 21, further comprising means for partially

6   stiffening the first and the second closure parts.

1   32.(Previously Presented) The closure of claim 21, further comprising a catch for preventing

2   unintentional opening of the closure.

1   33. (Previously Presented) The closure of claim 21, wherein an opening angle between the

2   first closure part and the second closure part in an open position of the closure is 150° to 180°.

1   34. (Previously Presented) The closure of claim 21, wherein a relationship among an opening

2   angle (α), a first angle (ϕ) and a second angle (ω) is given by the following formula:

3    $$\phi = 2 \cdot \arctan\left[\frac{\sin(\alpha / 2)}{1 - \cos(\alpha / 2)} \cdot \sin(\omega / 2)\right]$$

4   where said opening angle (α) is an angle between the first closure part and the second closure

5   part in an open position of the closure;

6   said first angle (ϕ) is defined by said first and said second hinge connections of each said pair

7   of hinge connections; and

8   said second angle (ω) is an angle made by two planes, each of said two planes defined by

9   each said pair of hinge connections.

1   35. (Currently Amended) A closed injection moulded process, comprising:

2   simultaneously moulding in a closed position, an entirety of a closure comprised of a first

3   closure part mated in a closed position against a second closure part, and two connecting elements

4   spaced-apart by an intermediate gap, connected to the first closure part and the second closure part

5   by two pairs of hinge connections, each said pair of hinge connections having a first hinge

6   connection and a second hinge connection, each said first hinge connection joining upper sides of

7   said connecting elements to said first closure part, each said second hinge connection joining bottom

8   sides of said connecting elements to said second closure part, each said pair of hinge connections

9   making a first angle (ϕ) with one another[[,]] and defining a plane, the planes defined by said two

10   pairs of hinge connections making a second angle (ω) with one another, wherein, in the closed

11   position of the closure, ~~the planes are~~ each said plane is inclined relative to a <u>central</u> closure axis,

12   with the two connecting elements and the two pairs of hinge connections being accessible in the

13   mould from the inside of the closure and from the outside of the closure; and

14   removing the closure from the mould.

1   36. (Withdrawn) The process of claim 35, comprised of forming an opening angle between

2   the first closure part and the second closure part to occur between approximately 150° to 180° while

3   said first closure part is displaced from said closed position to an open position of the closure.

1   37. (Withdrawn) The process of claim 35, wherein a relationship among an opening angle

2   (α), said first angle (ϕ) and said second angle (ω) is given by a formula of:

3

$$\phi = 2 \cdot \arctan\left[\frac{\sin(\alpha/2)}{1 - \cos(\alpha/2)} \cdot \sin(\omega/2)\right]$$

4   where said opening angle (α) is an angle between the first closure part and the second closure

5   part while said first closure part is rotatably displaced from said closed position to an open position

6   of the closure.

1   38. (Currently Amended) A closure for a container, comprising:

2   a lower closure part oriented to engage an opened end of the container;

3   an upper closure part disposed to assume at least two spatially defined and stable positions

4   relative to said lower closure part; and

5   two connecting elements spaced-apart by an intermediate gap, joining said lower closure part

6   and said upper part by two pairs of hinge connections, each said pair of hinge connections having

7   a first hinge connection and a second hinge connection, each said first hinge connection joining

8   upper sides of said connecting elements to said upper closure part, each said second hinge connection

9   joining bottom sides of said connecting elements to said lower part, with a first angle (ϕ) occurring

10 between said first and said second hinge connections of each said pair of hinge connections and each

11 of said pair of hinge connections defining a plane with a second angle (ω) occurring between each

12 said plane, with each said plane being inclined relative to a closure axis of said closure, the two

13 connecting elements and the two pairs of hinge connections being accessible in a mould from the

14 inside of the closure and from the outside of the closure and being removable from the mould;

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15   said closure being free from a main hinge connection between said first closure part and said

16   second closure part.

1   39. (Previously Presented) The closure of claim 38, comprised of said upper closure part

2   forming an opening angle with said lower closure part between approximately 150° to 180° while

3   said upper closure part is displaced from a closed position mating with said lower closure part, to

4   an open position of the closure.

1   40. (Previously Presented) The closure of claim 38, wherein a relationship among an opening

2   angle (α), said first angle (ϕ) and said second angle (ω) is given by a formula of:

$$\phi = 2 \cdot \arctan\left[\frac{\sin(\alpha/2)}{1 - \cos(\alpha/2)} \cdot \sin(\omega/2)\right]$$

4   where said opening angle (α) is an angle between the first closure part and the second closure

5   part while said first closure part is rotatably displaced from said closed position to an open position

6   of the closure.

1   41. (Currently Amended) A closure for a container, comprising:

2   a lower closure part oriented to engage an open end of the container;

3   an upper closure part disposed to mate with said lower closure part, along a peripheral

4   junction that forms a demarcation between said lower closure part and said upper closure part when

5 said closure is in a closed position of said closure, and joined to said lower closure part by at least

6 one frangible element traversing said peripheral junction while said closure maintains a virginity of

7 said closed position; and

8   two connecting elements spaced-apart by an intermediate gap movably joining said lower

9 closure part and said upper part by two pairs of hinge connections, each said pair of hinge

10 connections having a first hinge connection and a second hinge connection, each said first hinge

11 connection joining upper sides of said connecting elements to said upper closure part, each said

12 second hinge connection joining bottom sides of said connecting elements to said lower part, with

13 a first angle (ϕ) occurring between said first and said second hinge connections of each said pair of

14 hinge connections and each of said pair of hinge connections defining a plane with a second angle

15 (ω) occurring between each said plane, with each said plane being inclined relative to a <u>central</u>

16 closure axis of said closure, and the two connecting elements and the two pairs of hinge connections

17 being accessible in a mould from the inside of the closure and from the outside of the closure, with

18 the closure being removable from the mould.

1   42. (Previously Presented) The closure of claim 41, comprised of an opening angle formed

2 between the first closure part and the second closure part to extend between approximately 150° to

3 180° while said first closure part is displaced from said closed position to an open position of the

4 closure.

1   43. (Previously Presented) The closure of claim 41, with said closure providing a relationship

2   among an opening angle (α), said first angle (ϕ) and said second angle (ω) given by a formula of:

3

$$\phi = 2 \cdot \arctan\left[\frac{\sin(\alpha/2)}{1 - \cos(\alpha/2)} \cdot \sin(\omega/2) \right]$$

4   where said opening angle (α) is an angle between the first closure part and the second closure

5   part while said first closure part is rotatably displaced from said closed position to an open position

6   of the closure.

1   44. (Withdrawn) A closed injection moulded process, comprising:

2   simultaneously moulding in a closed position, an entirety of a closure comprised of a first

3   closure part mated in a closed position against a second closure part along a peripheral junction that

4   forms a demarcation between said lower closure part and said upper closure part, and joined to said

5   lower closure part by at least one frangible element traversing said peripheral junction while said

6   closure maintains a virginity of said closed position; and

7   two connecting elements spaced-apart by an intermediate gap, connected to the first closure

8   part and the second closure part by two pairs of hinge connections, each said pair of hinge

9   connections having a first hinge connection and a second hinge connection, each said first hinge

10   connection joining upper sides of said connecting elements to said first closure part, each said second

11   hinge connection joining bottom sides of said connecting elements to said second closure part, each

12   said pair of hinge connections making a first angle (ϕ) with one another, and defining a plane, the

13   planes defined by said two pairs of hinge connections making a second angle (ω) with one another,

14   wherein, in the closed position of the closure, the planes are inclined relative to a closure axis, with

15   the two connecting elements and the two pairs of hinge connections being accessible in the mould

16   from the inside of the closure and from the outside of the closure; and

17   removing the closure from the mould.

1   45. (Withdrawn) The process of claim 44, comprised of forming an opening angle between

2   the first closure part and the second closure part to occur between approximately 150° to 180° while

3   said first closure part is displaced from said closed position to an open position of the closure.

1   46. (Withdrawn) The process of claim 44, wherein a relationship among an opening angle

2   (α), said first angle (ϕ) and said second angle (ω) is given by a formula of:

3
$$\phi = 2 \cdot \arctan\left[\frac{\sin(\alpha/2)}{1-\cos(\alpha/2)} \cdot \sin(\omega/2)\right]$$

4   where said opening angle (α) is an angle between the first closure part and the second closure

5   part while said first closure part is rotatably displaced from said closed position to an open position

6   of the closure.